

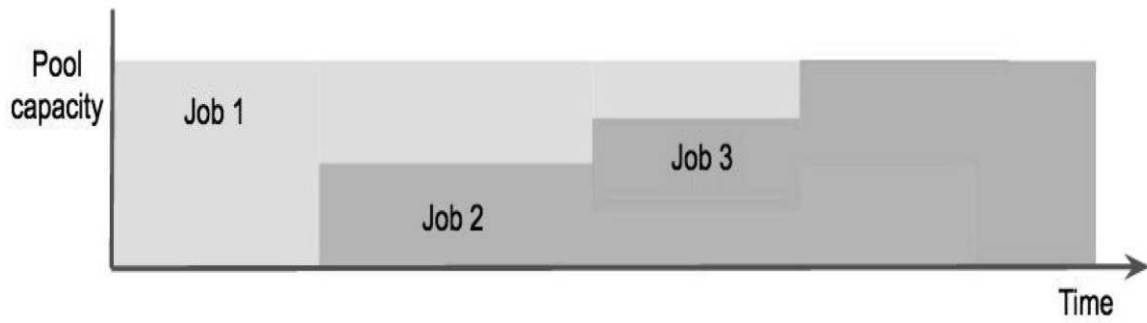


FIG. 1(a)

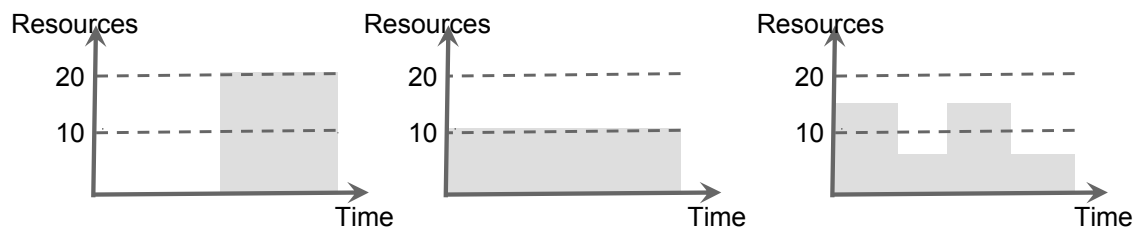


FIG. 1(b)

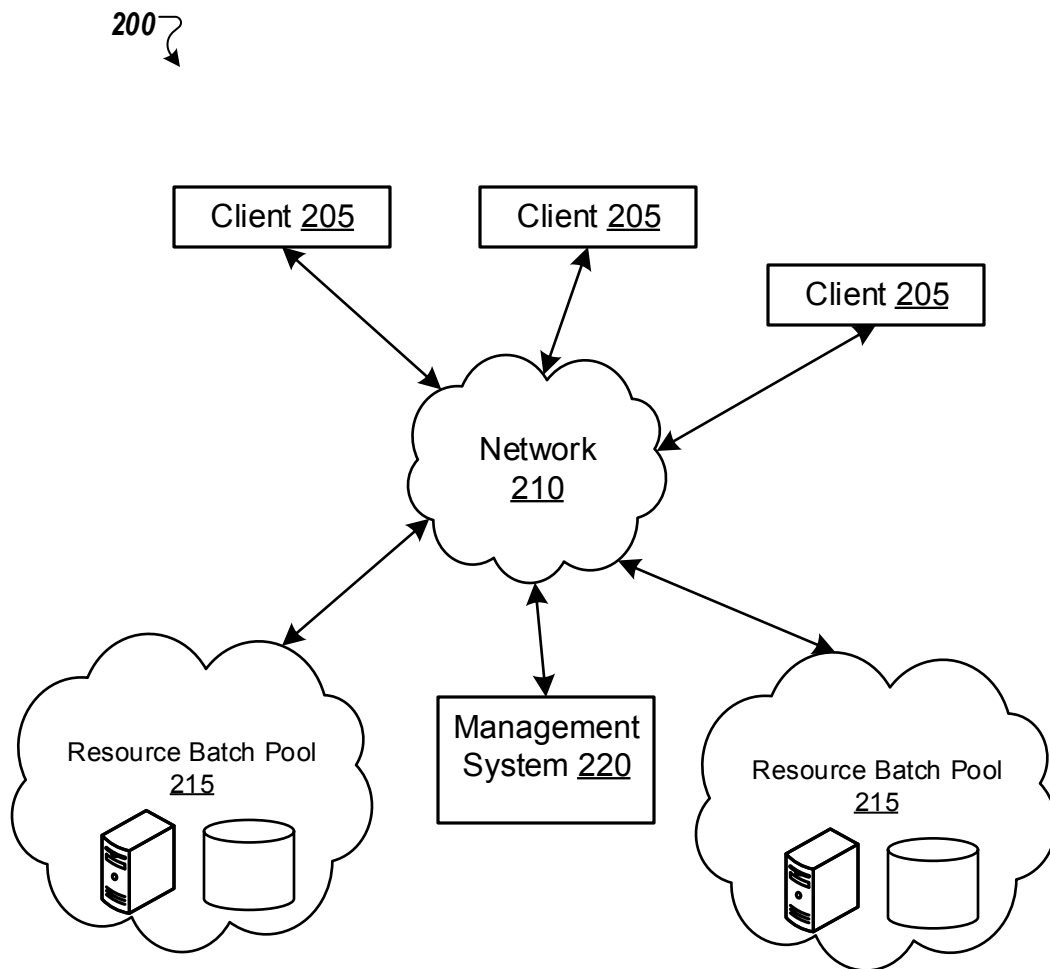


FIG. 2

300 User ID	301 Budget	302 Commitments	303 Historical	304 Job Requests
USER1	BUD1	COM1	HIS1	JOB1, JOB2, JOB3...
USER2	BUD2	COM2	HIS2	NONE
USER3	BUD3	COM3	HIS3	JOB4, JOB5....
....				

FIG. 3(a)

310 Resource Type	311 Time Period	312 Commitments	313 Historical	314 Expected
RTYPE1	TIM1	RCOM1	RHIS1	EXP1
RTYPE2	TIM2	RCOM2	RHIS2	EXP2
RTYPE3	TIM3	RCOM3	RHIS3	EXP3
....				

FIG. 3(b)

304-1	304-2	304-3	304-4
Job Request ID	Tasks	Resource allocation	Constraints
JOB1	TASK1, TASK2, ...	RES1	CON1
JOB2	TASK3	RES2	CON2
JOB3	TASK4, TASK5...	RES3	CON3
....			

FIG. 3(c)

400

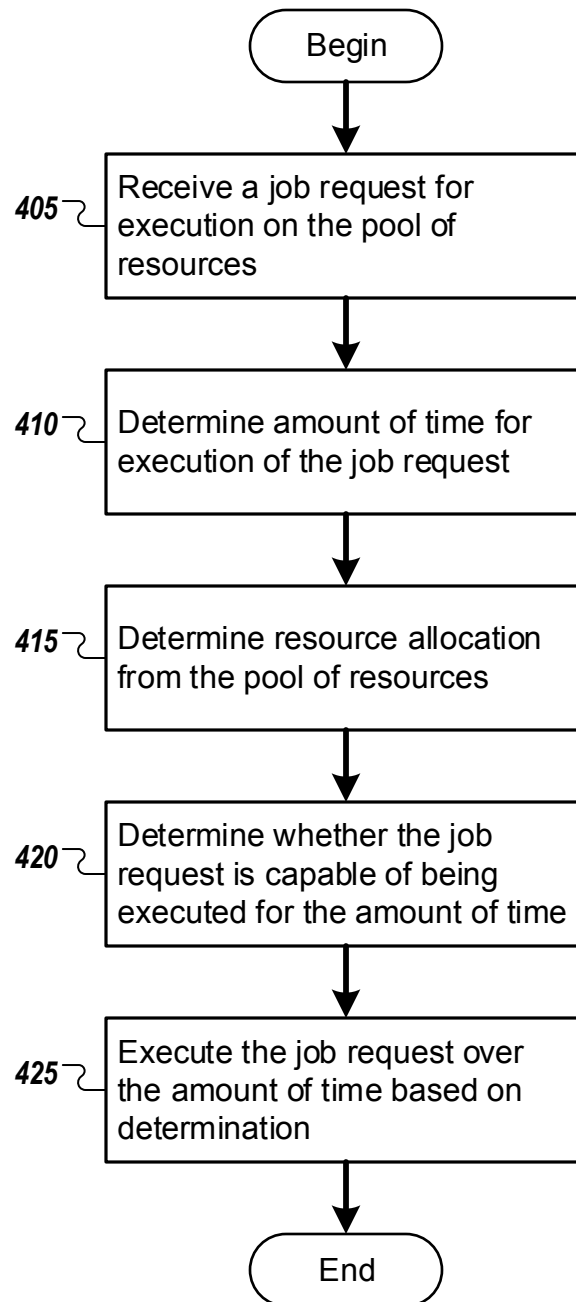


FIG. 4(a)

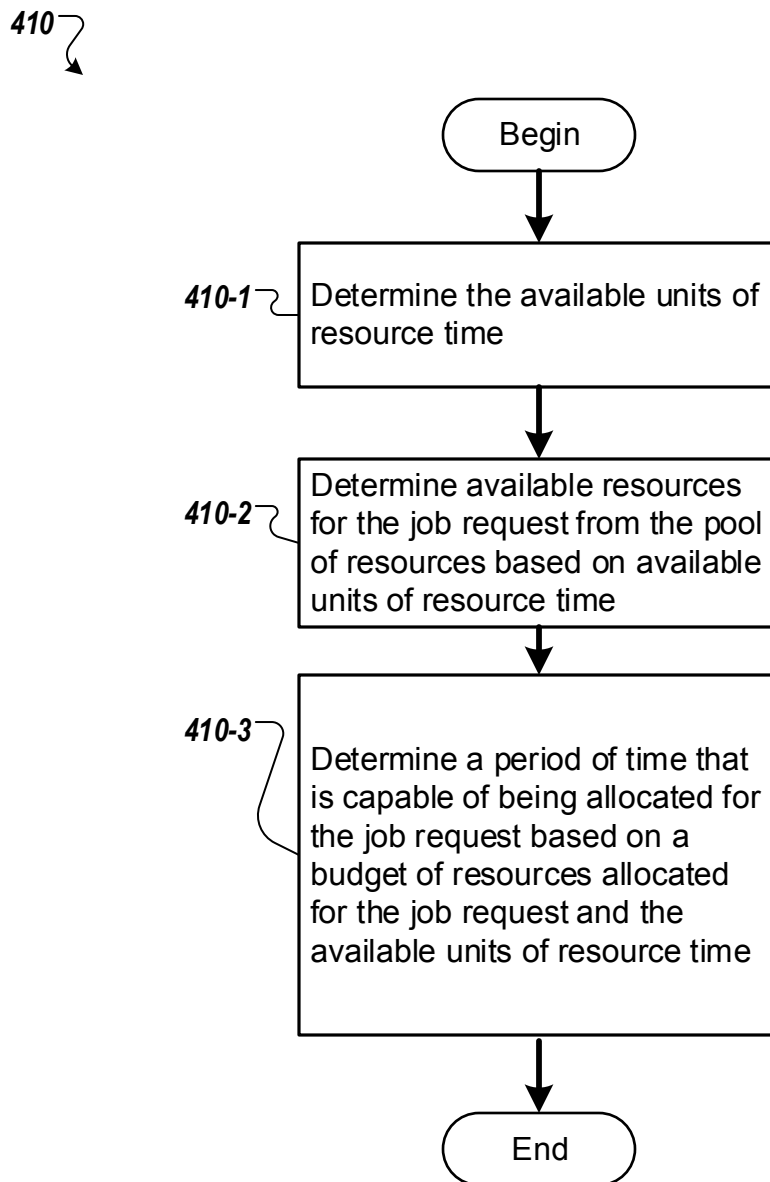


FIG. 4(b)

410

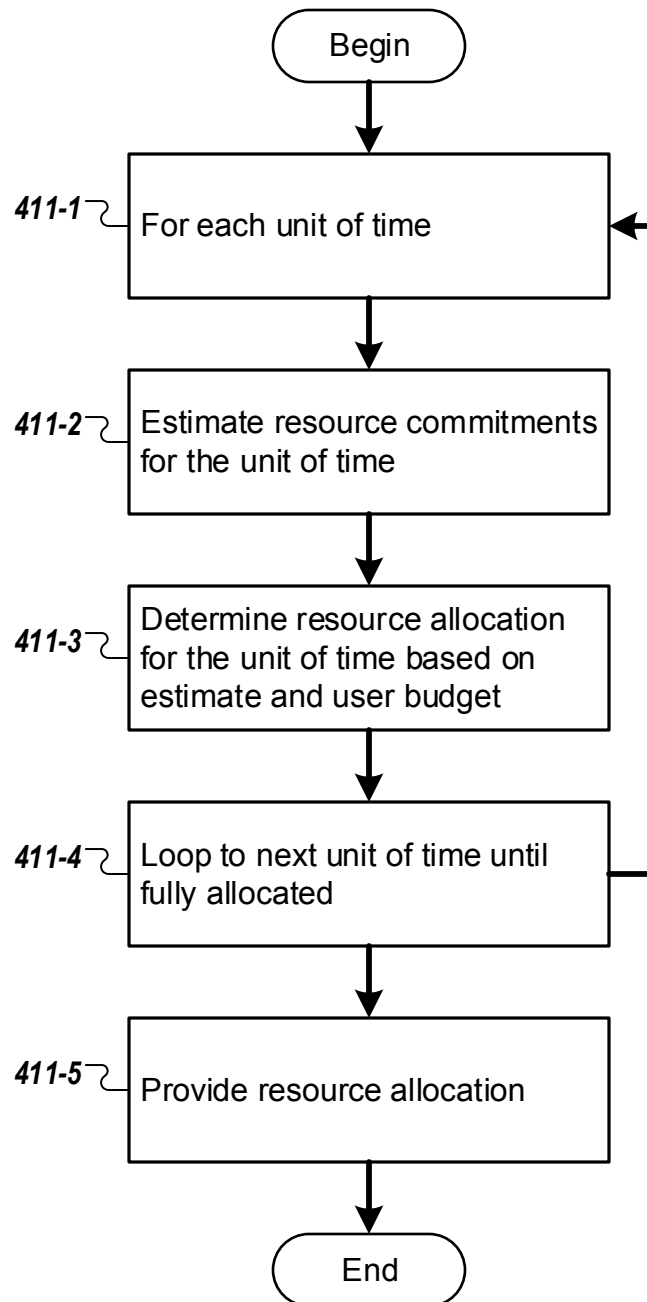


FIG. 4(c)

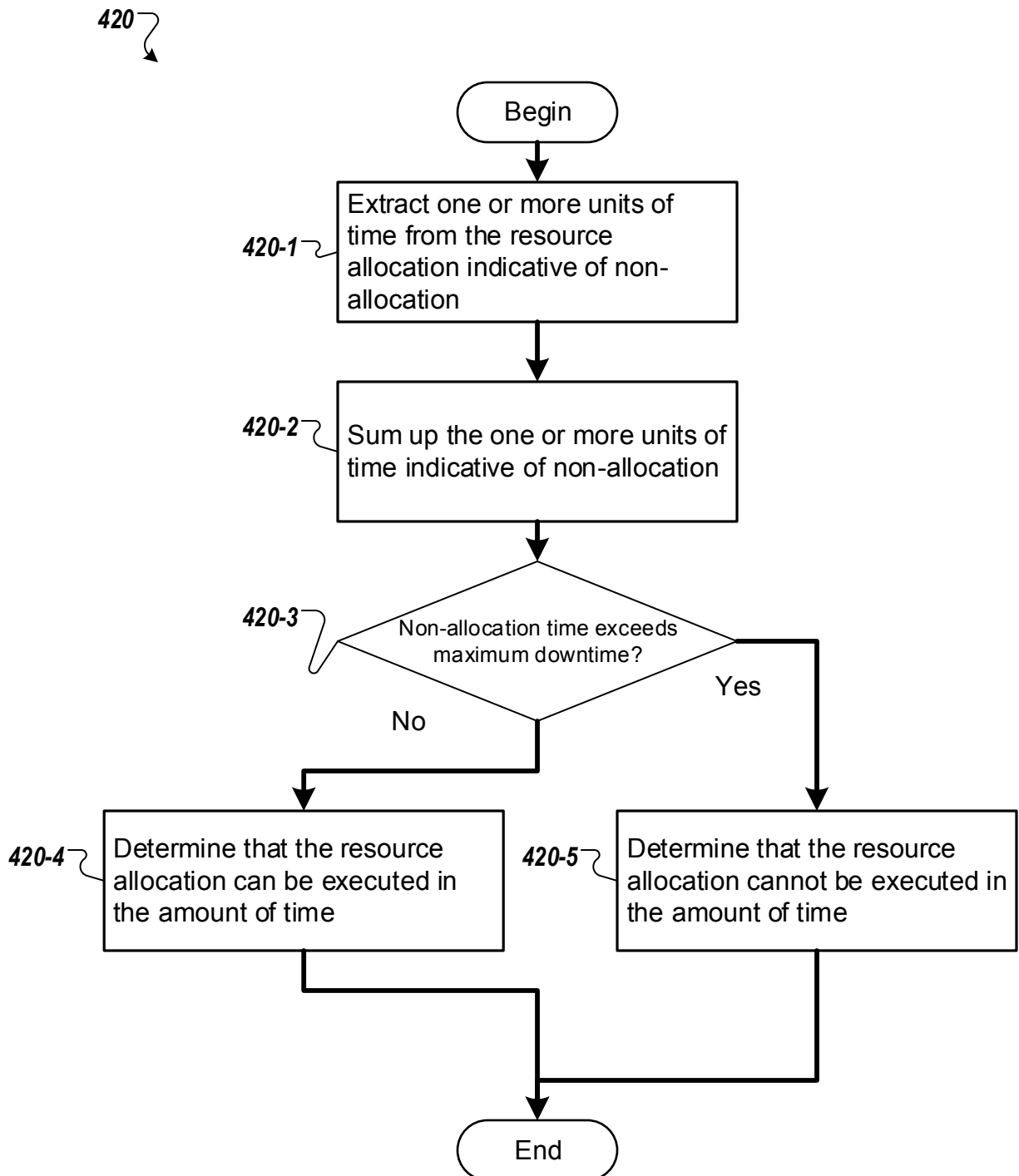


FIG. 4(d)

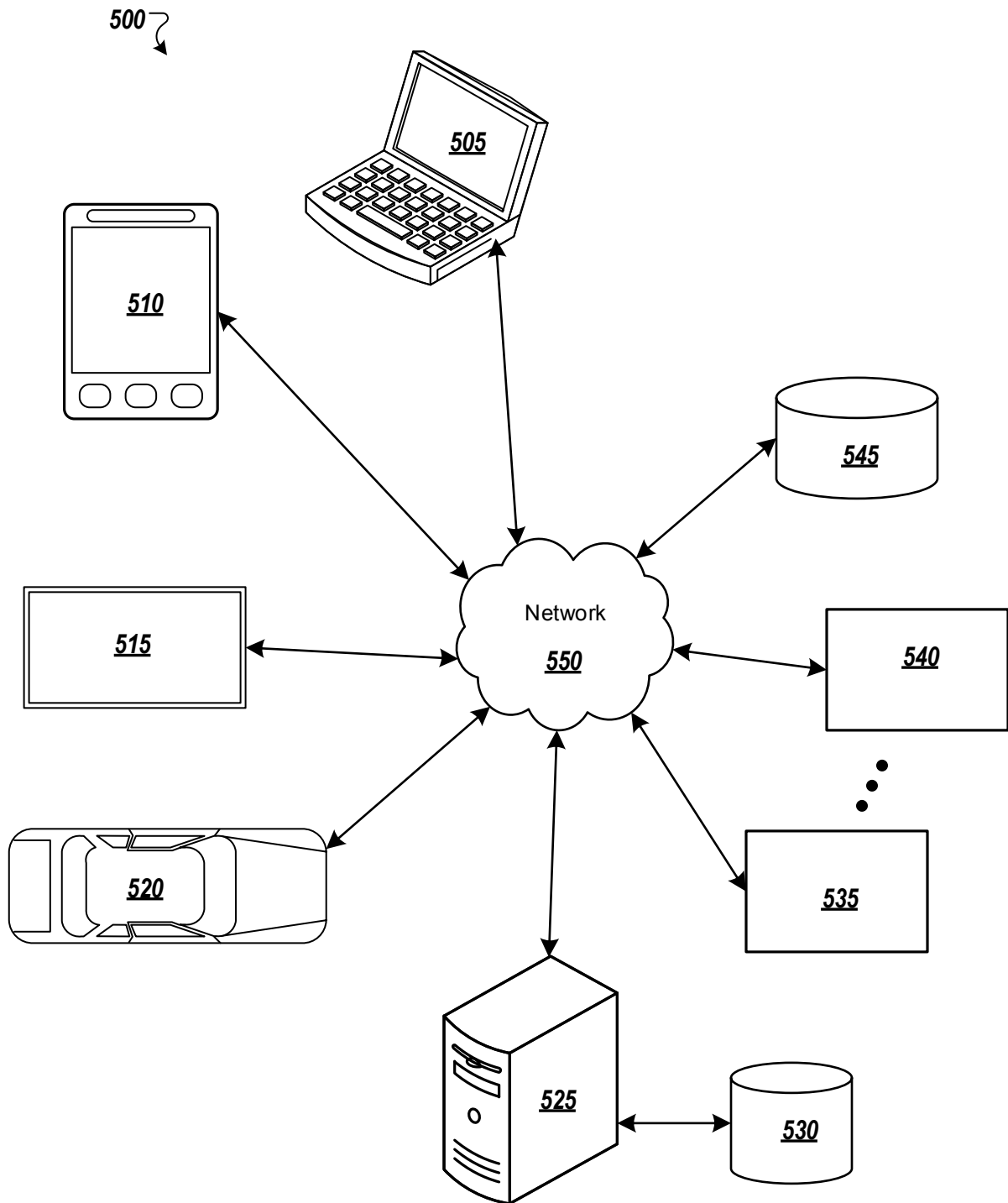


FIG. 5

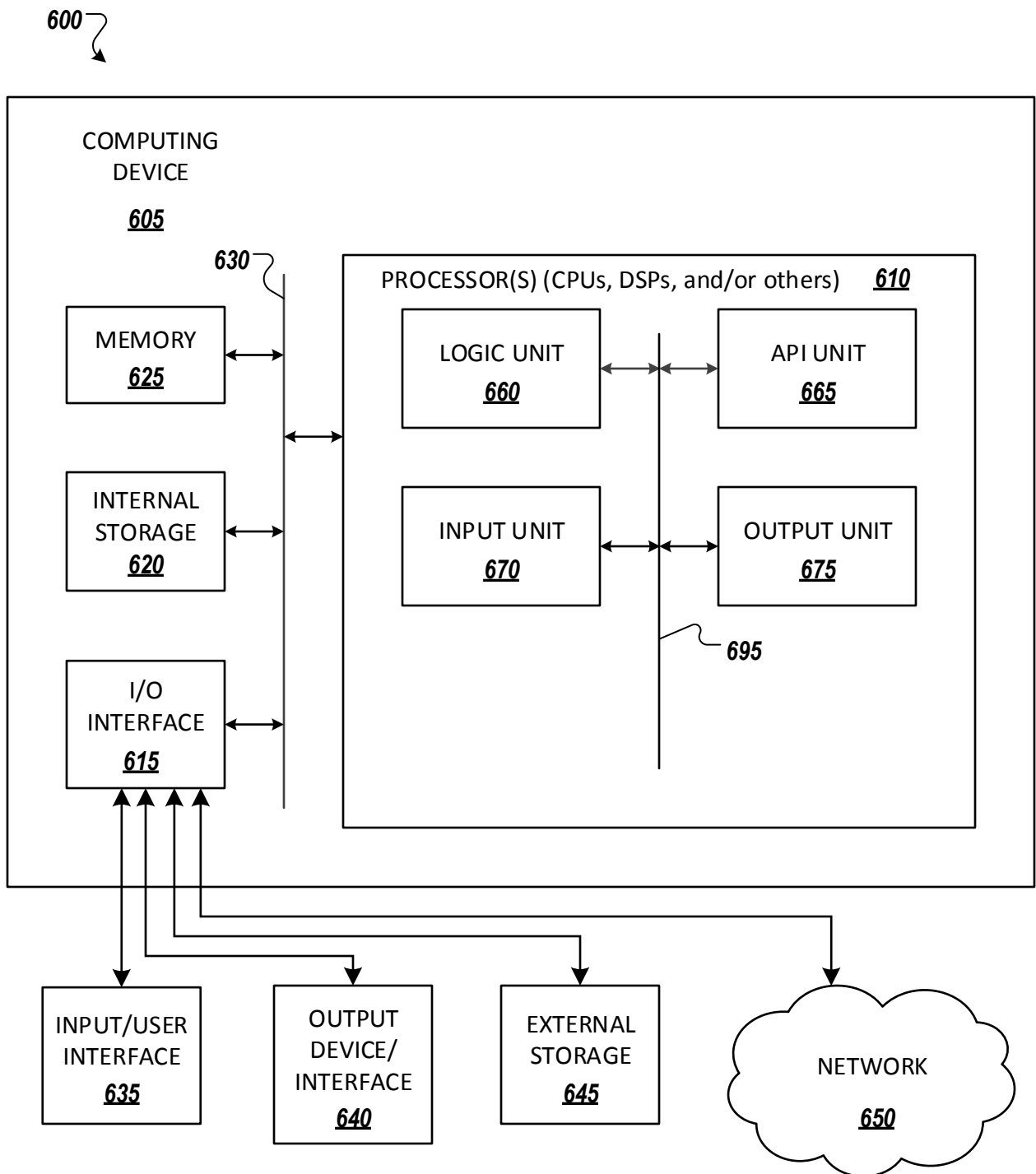


FIG. 6